

LISTING OF THE CLAIMS

Claims 27-54 are pending in the instant application. The Applicant requests reconsideration of the claims in view of the amendments to the claims and following remarks.

Listing of claims:

Claims 1-26 (Canceled).

Claim 27 (Currently amended): A system for acoustical communication comprising:

an eyeglass frame having a plurality of directionally dependent microphones to capture one or more voice signals[[,]]; and

a ~~communication unit~~ transmitter configured to transmit ~~the~~ said one or more captured voice signals to one or more external electronic devices[[,]]; and

a control module configured to ~~dynamically~~ adjust directional dependence of at least ~~one~~ a first directionally dependent microphone of said plurality of directionally dependent microphones ~~microphone~~, ~~the control module adaptively adjusting the position of the at least one first directionally dependent microphone based on the~~ said one or more voice signals captured by said first directionally dependent microphone and at least ~~one~~ a second directionally dependent microphone of said plurality of directionally dependent microphones, wherein said second directionally dependent microphone is located on an ear engaging portion of said eyeglass frame for capturing bodily vibration sound waves.

Claim 28 (Currently amended): The system for acoustical communication according to claim 27, wherein ~~at least the~~ said second directionally dependent microphone is a contact microphone.

Claim 29 (Currently amended): The system for acoustical communication according to claim 27, wherein ~~the~~ said one or more voice signal signals captured by ~~[[a]]~~ said first directionally dependent microphone ~~[[is]]~~ are filtered by said control module based on ~~the~~ said one or more voice signal signals captured by a third directionally dependent microphone.

Claim 30 (Currently amended): The system for acoustical communication according to claim 27, ~~further comprising~~~~[[:]]~~ an amplifier controlled by the one or more voice signal signals captured by a third directionally dependent microphone.

Claim 31 (Currently amended): The system for acoustical communication according to claim 27, wherein ~~the~~ said one or more voice signal signals captured by a directionally dependent microphone ~~[[is]]~~ are processed based on reference filters.

Claim 32 (Previously presented): The system for acoustical communication according to claim 27, wherein at least one directionally dependent microphone is included in at least one microphone array.

Claim 33 (Currently amended): The system for acoustical communication according to claim 32, wherein ~~the~~ said at least one microphone array is implemented in MEMS technology.

Claim 34 (Currently amended): The system for acoustical communication according to claim 27, wherein ~~the~~ said one or more external electronic devices comprises ~~include~~ a mobile radio device.

Claim 35 (Currently amended): The system for acoustical communication according to claim 27, wherein ~~the~~ said eyeglass frame comprises ~~further includes~~ a retinal scanning display.

Claim 36 (Currently amended): The system for acoustical communication according to claim 35, wherein ~~the~~ said eyeglass frame comprises ~~further includes~~ a direction module configured to capture a direction of view.

Claim 37 (Currently amended): The system for acoustical communication according to claim 27, ~~further~~ comprising~~[[:]]~~ a speech recognition module configured to capture spoken commands via at least one directionally dependent microphone.

Claim 38 (Currently amended): The system for acoustical communication according to claim 27, ~~further~~ comprising: at least one of: Bluetooth, ZigBee, GSM and UMTS interfaces.

Claim 39 (Currently amended): The system for acoustical communication according to claim 27, wherein said ~~where in the~~ eyeglass frame comprises ~~further includes~~ photovoltaic cells configured to supply power.

Claim 40 (Currently Amended): A method for acoustical communication, comprising:

capturing one or more voice signals via a plurality of directionally dependent microphones ~~installed on an eyeglass frame~~;

transmitting, via a wireless interface, said one or more captured voice signals to ~~[[an]]~~ one or more external devices ~~device~~;

~~dynamically~~ adjusting, via a control module, directional dependence of ~~[[the]]~~ at least ~~one~~ a first directionally dependent microphone of said plurality of directionally dependent microphones , ~~the control module adaptively adjusting the position of at least one first directionally dependent microphone based on the~~ said one or more voice signals captured by said first directionally dependent microphone and at least ~~[[one]]~~ a second directionally dependent microphone of said plurality of directionally dependent microphones; wherein said second directionally dependent microphone is positioned for capturing bodily vibration sound waves.

Claim 41 (Currently amended): The method for acoustical communication according to claim 40, wherein ~~at least one~~ said second directionally dependent microphone is a contact microphone.

Claim 42 (Currently amended): The method for acoustical communication according to claim 40, ~~further comprising~~[[:]] filtering ~~the~~ said one or more voice ~~signal~~ signals captured by [[a]] said first directionally dependent microphone based on ~~the~~ said one or more voice ~~signal~~ signals captured by a third directionally dependent microphone.

Claim 43 (Currently amended): The method for acoustical communication according to claim 40, ~~further comprising~~[[:]] controlling an amplifier with ~~the~~ said one or more voice ~~signal~~ signals captured by a third directionally dependent microphone.

Claim 44 (Currently amended): The method for acoustical communication according to claim 40, ~~further comprising~~[[:]] processing ~~the~~ said one or more voice ~~signal~~ signals captured by a directionally dependent microphone based on reference filters.

Claim 45 (Currently amended): The method for acoustical communication according to claim 40, wherein said ~~the~~ at least one directionally dependent microphone is included in at least one microphone array.

Claim 46 (Currently amended): The method for acoustical communication according to claim 45, wherein said ~~the~~ at least one microphone array is implemented in MEMS technology.

Claim 47 (Currently amended): The method for acoustical communication according to claim 40, ~~further comprising~~[[:]] transmitting ~~the~~ said one or more captured voice signals to a mobile radio device.

Claim 48 (Currently amended): The method for acoustical communication according to claim 40, ~~further~~ comprising~~[[:]]~~ projecting image data onto a retina via a retinal scanning display.

Claim 49 (Currently amended): The method for acoustical communication according to claim 48, ~~further~~ comprising~~[[:]]~~ capturing, via a module, a direction of view.

Claim 50 (Currently amended): The method for acoustical communication according to claim 40, ~~further~~ comprising~~[[:]]~~ capturing spoken commands via a speech recognition module.

Claim 51 (Currently amended): The method for acoustical communication according to claim 40, ~~further~~ comprising~~[[:]]~~ transmitting ~~the~~ said one or more captured voice signals to ~~[[an]]~~ said one or more external ~~device~~ devices via at least one of: Bluetooth, ZigBee, GSM and a UMTS interface.

Claim 52 (Currently amended): The method for acoustical communication according to claim 40, ~~further~~ comprising: providing power via a power supply of photovoltaic cells.

Claim 53 (Currently amended): A system for acoustical communication comprising:

an eyeglass frame having a plurality of recording means for capturing one or more voice signals; ~~[[,]]~~

communication means for transmitting ~~the~~ said one or more captured voice signals to one or more external electronic devices; ~~[[, and]]~~

control means for dynamically adjusting directional dependence of at least ~~[[one]]~~ a first recording means of the plurality of recording means, ~~the control means~~ adaptively adjusting the position of the at least one first recording means based on

~~the~~ said one or more voice signals captured by said first recording means and at least ~~[[one]]~~ a second recording means of said plurality of recording means; and
ear engagement means for holding said second recording means for capturing bodily vibration sound waves.

Claim 54 (New): The system for acoustical communication according to claim 27, wherein said control module adjusts a position of at least said first directionally dependent microphone based on said one or more voice signals captured by said first directionally dependent microphone and at least a second directionally dependent microphone of the plurality of directionally dependent microphones.

Claim 55 (New): A system for acoustical communication, said system comprising:

a plurality of directionally dependent microphones to capture one or more voice signals;

a transmitter configured to transmit said one or more captured voice signals to one or more external electronic devices; and

a control module configured to adjust directional dependence of at least a first directionally dependent microphone of said plurality of directionally dependent microphones based on said one or more voice signals captured by said first directionally dependent microphone and at least a second directionally dependent microphone of said plurality of directionally dependent microphones, wherein said second directionally dependent microphone is positioned for capturing bodily vibration sound waves.

Claim 56 (New): The system for acoustical communication according to claim 55, wherein said second directionally dependent microphone is a contact microphone.

Claim 57 (New): The system for acoustical communication according to claim 55, wherein said one or more voice signals captured by said first directionally

dependent microphone are filtered by said control module based on said one or more voice signals captured by a third directionally dependent microphone.

Claim 58 (New): The system for acoustical communication according to claim 55, comprising an amplifier controlled by one or more voice signals captured by a third directionally dependent microphone.

Claim 59 (New): The system for acoustical communication according to claim 55, wherein said one or more voice signals captured by a directionally dependent microphone are processed based on reference filters.

Claim 60 (New): The system for acoustical communication according to claim 55, wherein at least one directionally dependent microphone is included in at least one microphone array.

Claim 61 (New): The system for acoustical communication according to claim 60, wherein said at least one microphone array is implemented in MEMS technology.

Claim 62 (New): The system for acoustical communication according to claim 55, wherein said one or more external electronic devices comprises a mobile radio device.

Claim 63 (New): The system for acoustical communication according to claim 55, comprising a speech recognition module configured to capture spoken commands via at least one directionally dependent microphone.

Claim 64 (New): The system for acoustical communication according to claim 55, comprising: at least one of: Bluetooth, ZigBee, GSM and UMTS interfaces.